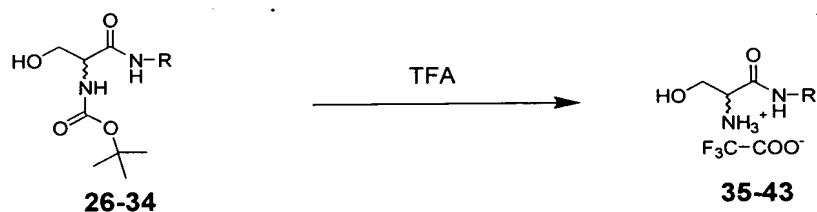
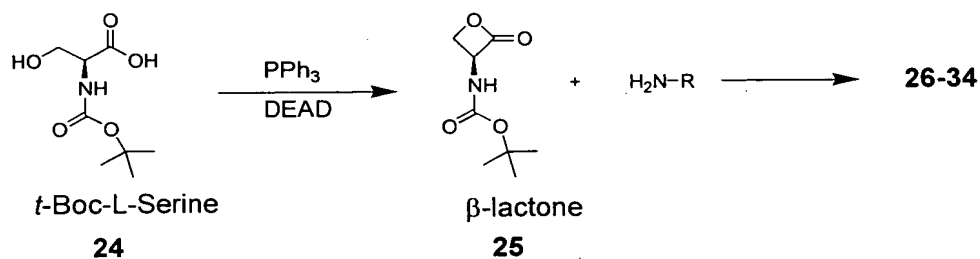
**Figure 1**

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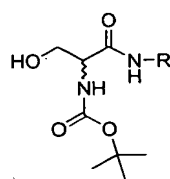


- 26** R = (CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>  
**27** R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**28** R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
**29** R = p-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**30** R = p-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>  
**31** R = m-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**32** R = m-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>  
**33** R = o-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**34** R = o-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>

- 35** R = (CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>  
**36** R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**37** R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
**38** R = p-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**39** R = p-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>  
**40** R = m-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**41** R = m-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>  
**42** R = o-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**43** R = o-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>

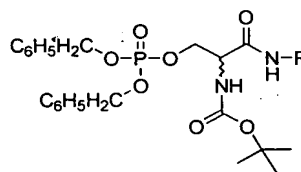
Figure 2

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**26-30**

- 1) Tetrazole
- 2) Dibenzyl-diisopropyl phosphoramidate
- 3) Peracetic acid



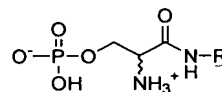
**50-54**

- 26** R = (CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>  
**27** R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**28** R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
**29** R = p-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**30** R = p-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>

- 50** R = (CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>  
**51** R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**52** R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
**53** R = p-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**54** R = p-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>

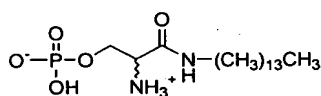
**50-54**

Pd/C, H<sub>2</sub>



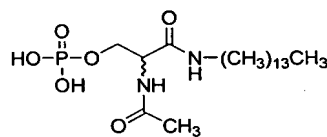
**55-59**

- 55** R = (CH<sub>2</sub>)<sub>9</sub>CH<sub>3</sub>  
**56** R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**57** R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
**58** R = p-C<sub>6</sub>H<sub>4</sub>O(CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>  
**59** R = p-C<sub>6</sub>H<sub>4</sub>OCH<sub>3</sub>



**56**

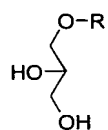
(CH<sub>3</sub>CO)<sub>2</sub>O



**56a**

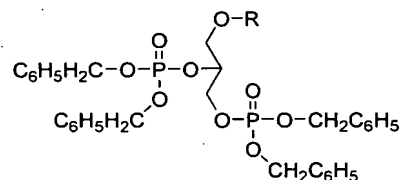
**Figure 3**

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60-62

- 1) Tetrazole
- 2) Dibenzyl-diisopropyl phosphoramidate
- 3) Peracetic acid

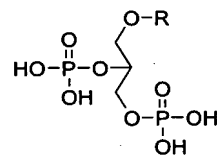


63-65

- 60 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
 61 R = (CH<sub>2</sub>)<sub>11</sub>CH<sub>3</sub>  
 62 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

- 63 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
 64 R = (CH<sub>2</sub>)<sub>11</sub>CH<sub>3</sub>  
 65 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

Pd-C/H<sub>2</sub>

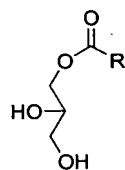


66-68

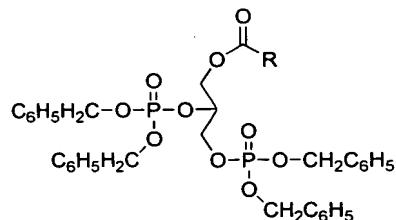
- 66 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>  
 67 R = (CH<sub>2</sub>)<sub>11</sub>CH<sub>3</sub>  
 68 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

Figure 4

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- 1) Tetrazole
  - 2) Dibenzylidiisopropyl phosphoramidate
- 
- 3) Peracetic acid



69-76

77-84

69 R = (CH<sub>2</sub>)<sub>12</sub>CH<sub>3</sub>

70 R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>

71 R = (CH<sub>2</sub>)<sub>14</sub>CH<sub>3</sub>

72 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

73 R = (CH<sub>2</sub>)<sub>16</sub>CH<sub>3</sub>

74 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>

75 R = (CH<sub>2</sub>)<sub>18</sub>CH<sub>3</sub>

76 R = (CH<sub>2</sub>)<sub>20</sub>CH<sub>3</sub>

77 R = (CH<sub>2</sub>)<sub>12</sub>CH<sub>3</sub>

78 R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>

79 R = (CH<sub>2</sub>)<sub>14</sub>CH<sub>3</sub>

80 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

81 R = (CH<sub>2</sub>)<sub>16</sub>CH<sub>3</sub>

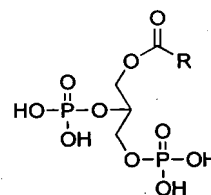
82 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>

83 R = (CH<sub>2</sub>)<sub>18</sub>CH<sub>3</sub>

84 R = (CH<sub>2</sub>)<sub>20</sub>CH<sub>3</sub>

77-84

Pd-C/H<sub>2</sub>



85-92

85 R = (CH<sub>2</sub>)<sub>12</sub>CH<sub>3</sub>

86 R = (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>

87 R = (CH<sub>2</sub>)<sub>14</sub>CH<sub>3</sub>

88 R = (CH<sub>2</sub>)<sub>15</sub>CH<sub>3</sub>

89 R = (CH<sub>2</sub>)<sub>16</sub>CH<sub>3</sub>

90 R = (CH<sub>2</sub>)<sub>17</sub>CH<sub>3</sub>

91 R = (CH<sub>2</sub>)<sub>18</sub>CH<sub>3</sub>

92 R = (CH<sub>2</sub>)<sub>20</sub>CH<sub>3</sub>

Figure 5A

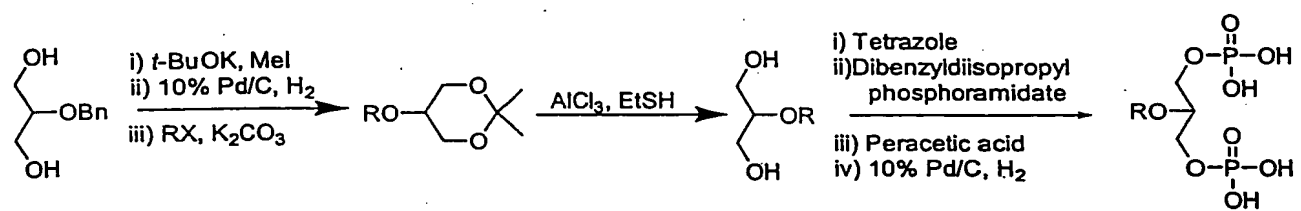


Figure 5B

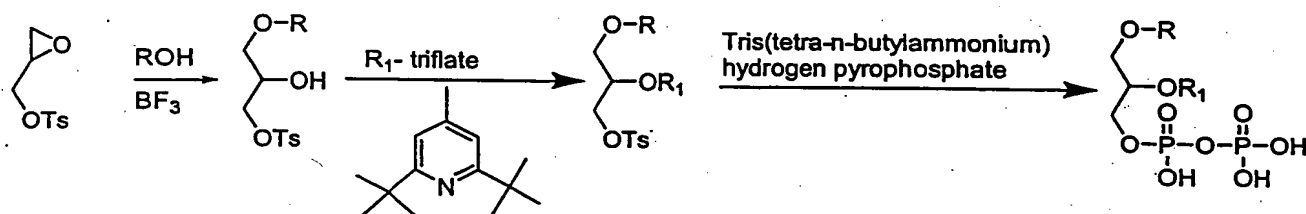


Figure 6A

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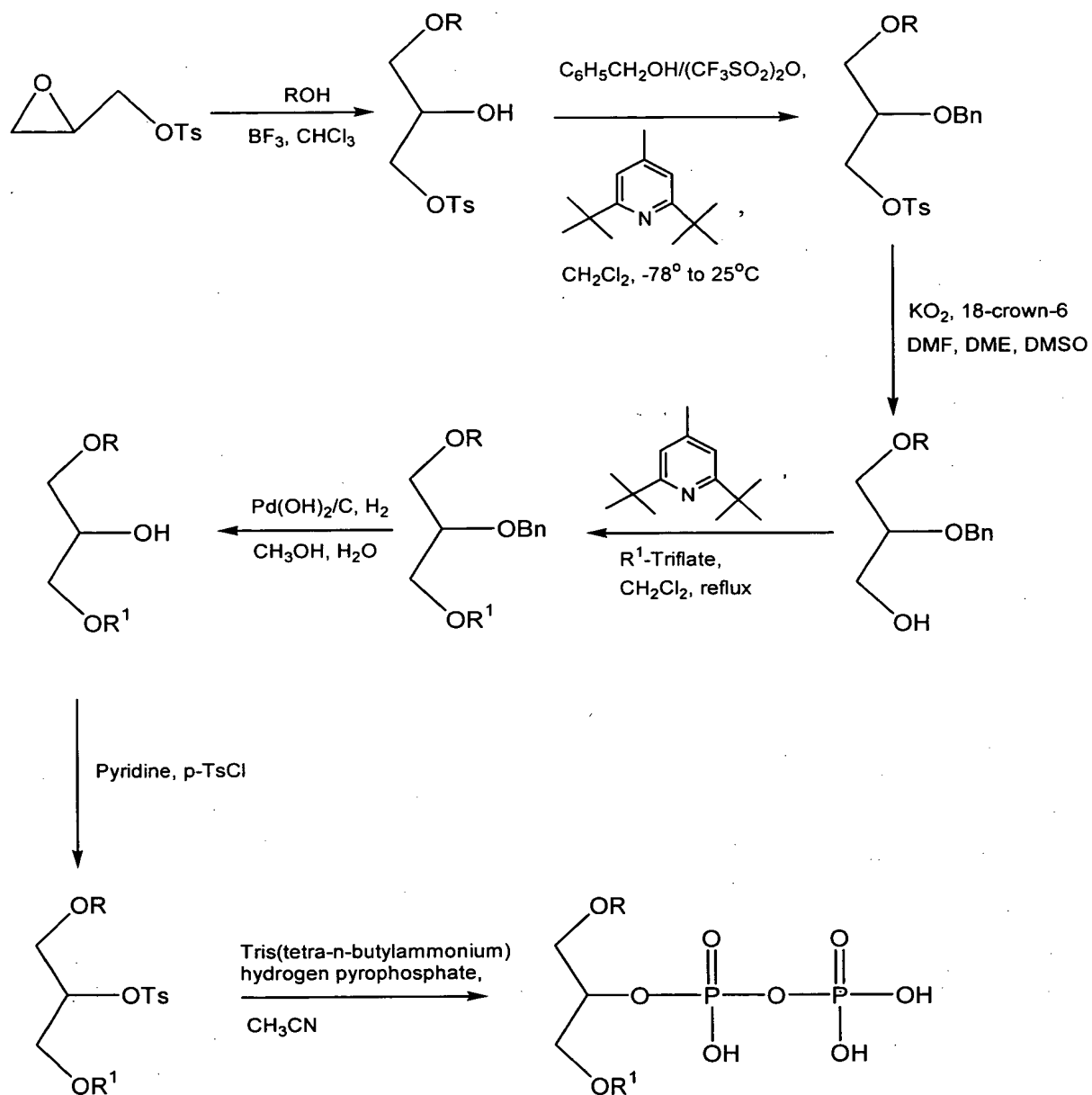


Figure 6B

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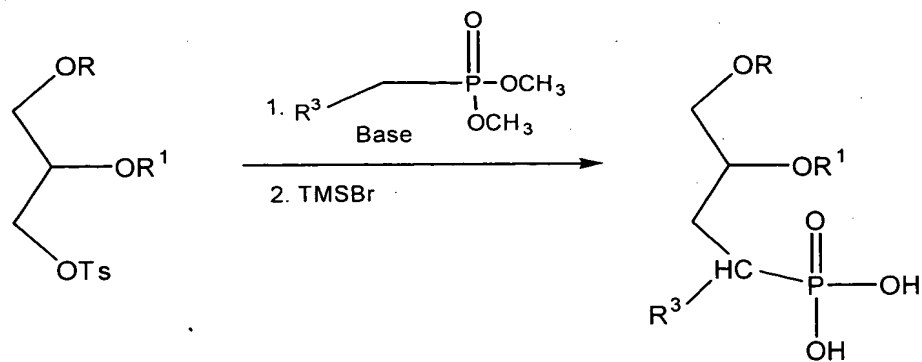


Figure 7A

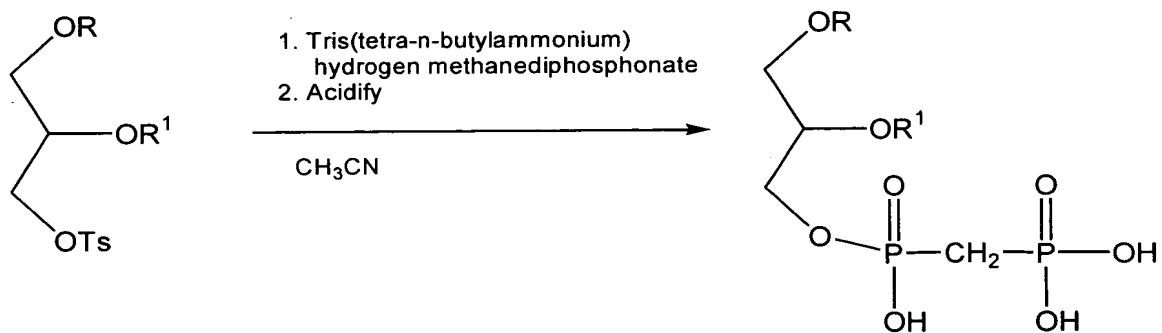


Figure 7B

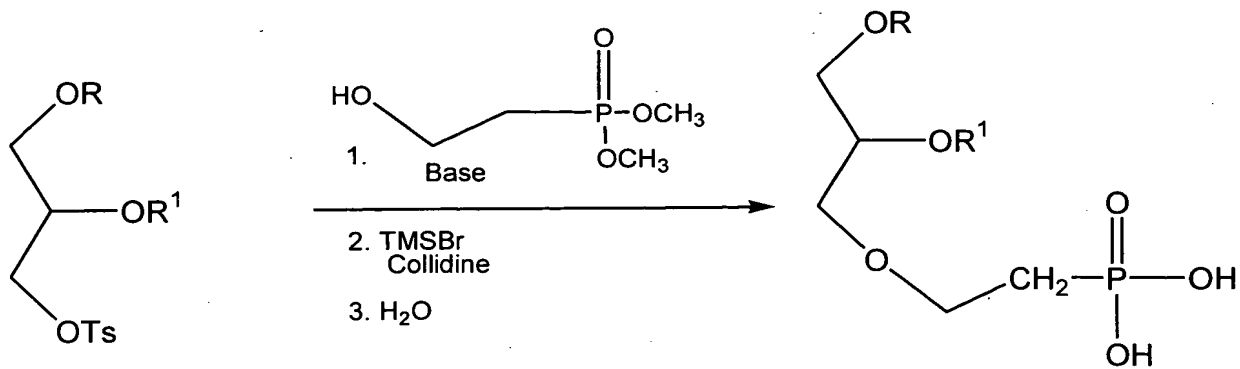


Figure 7C



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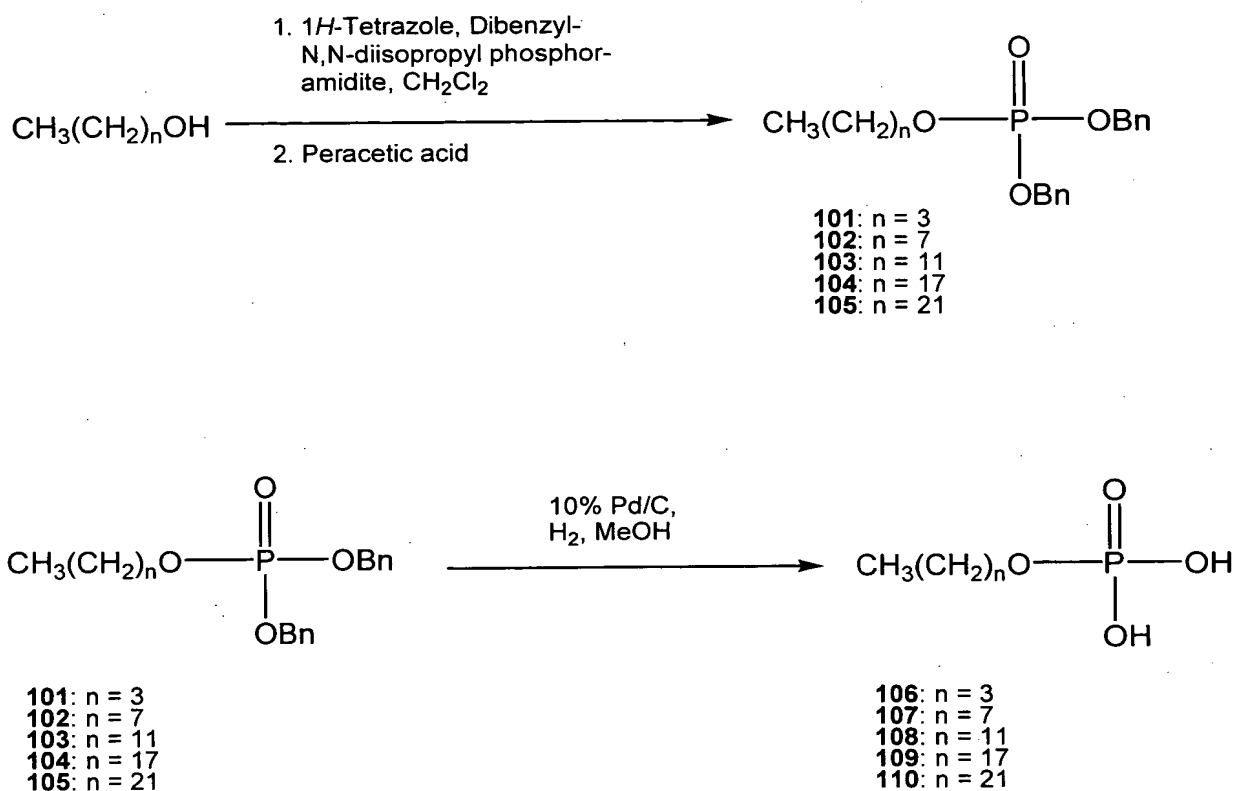


Figure 8

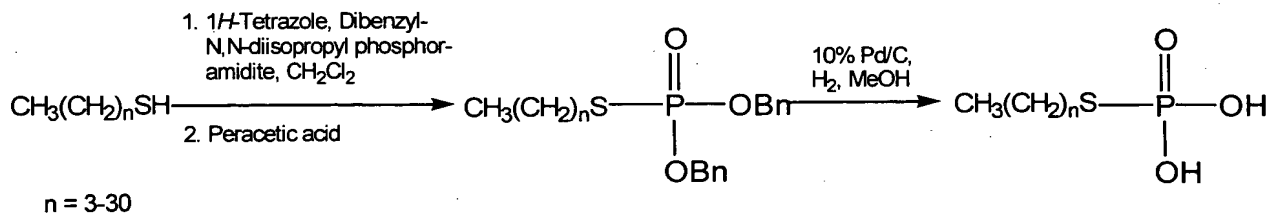


Figure 9

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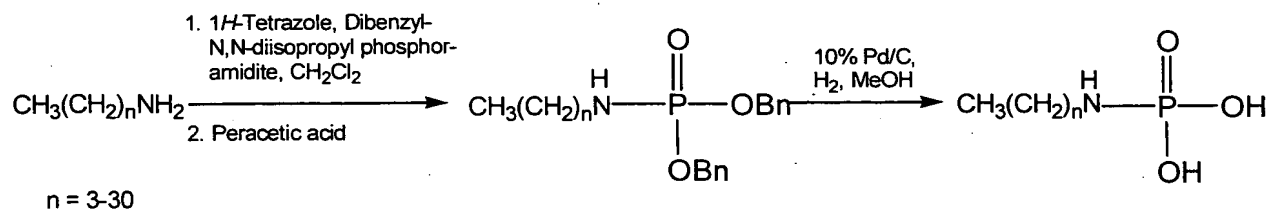


Figure 10

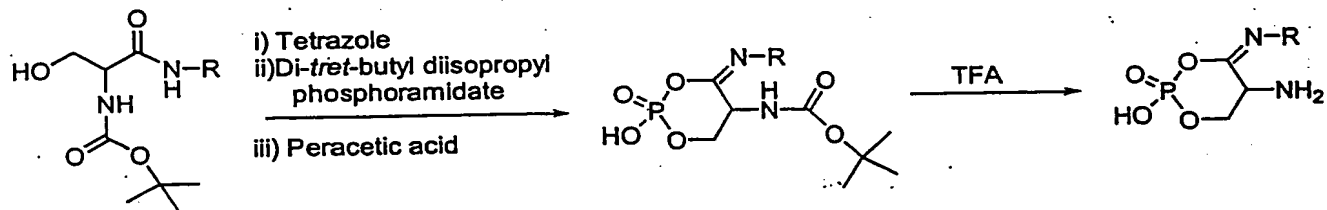


Figure 11

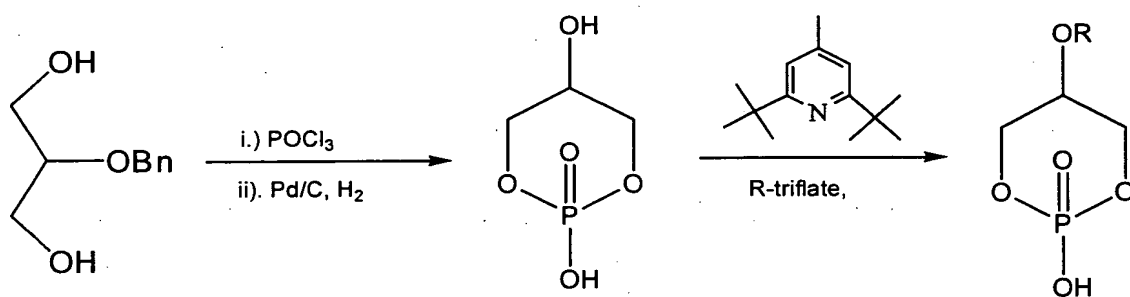


Figure 12

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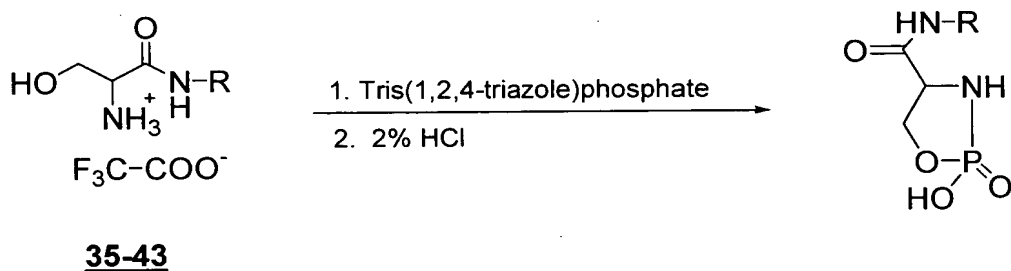


Figure 13

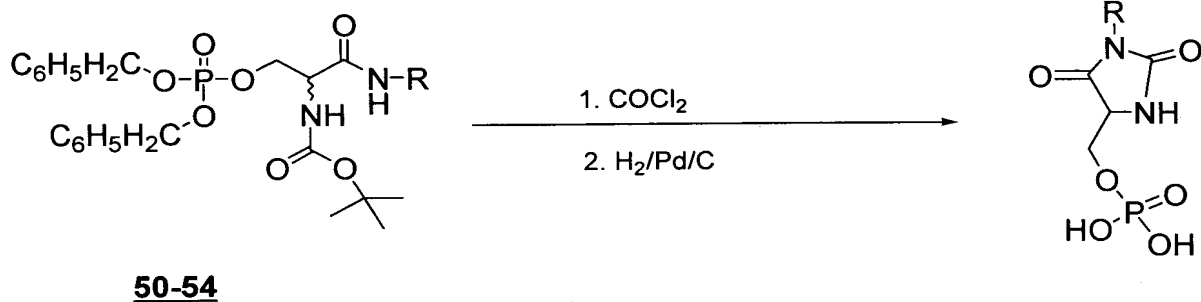


Figure 14

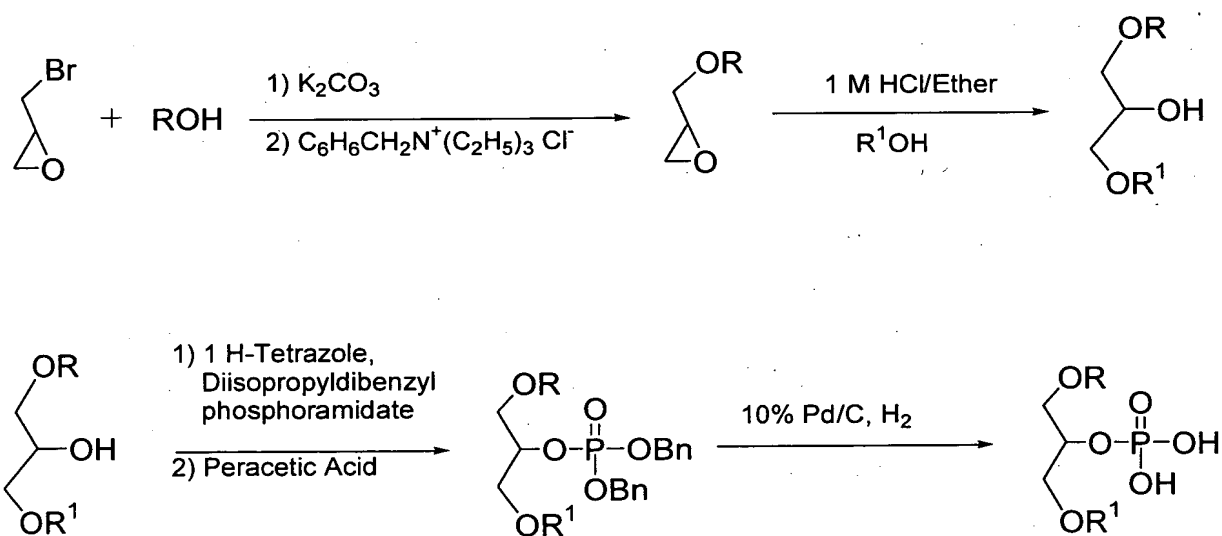


Figure 15

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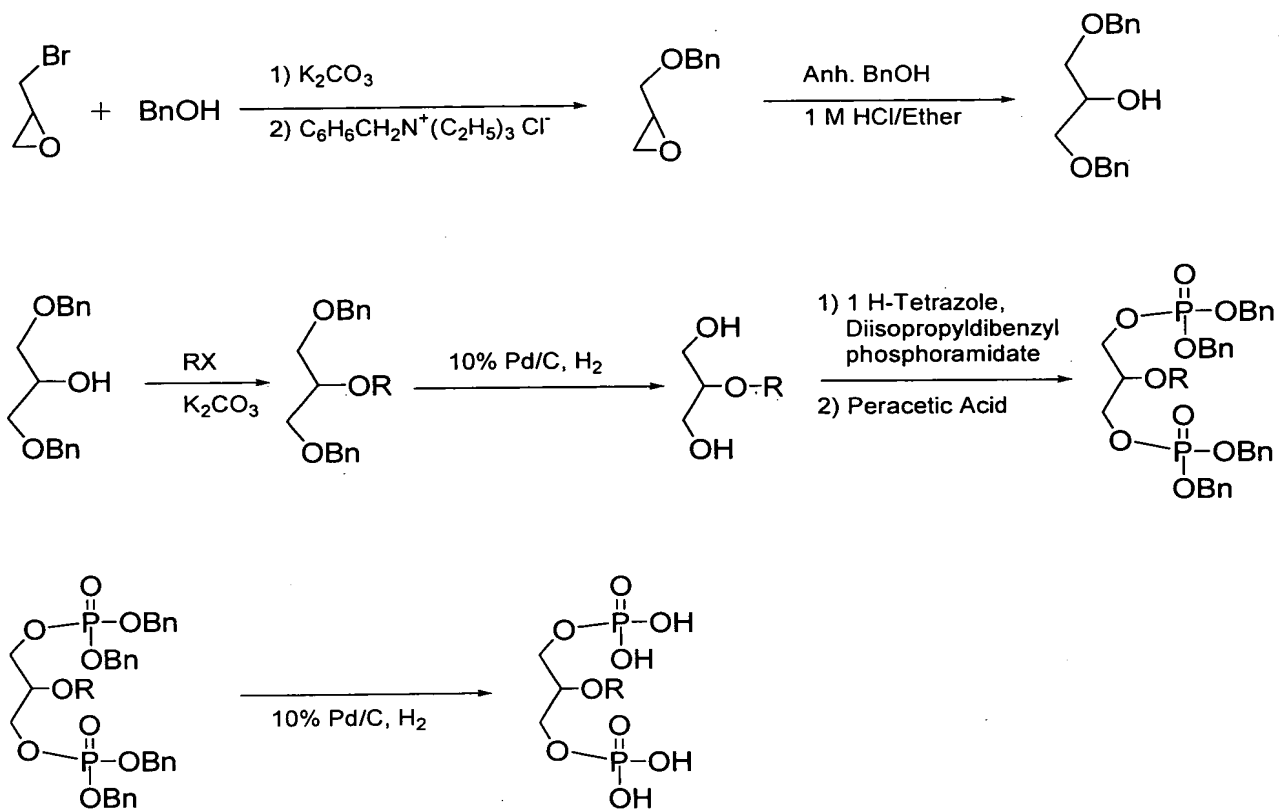


Figure 16

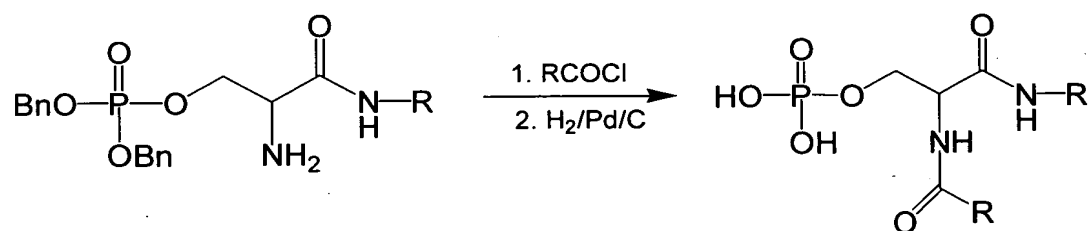


Figure 17

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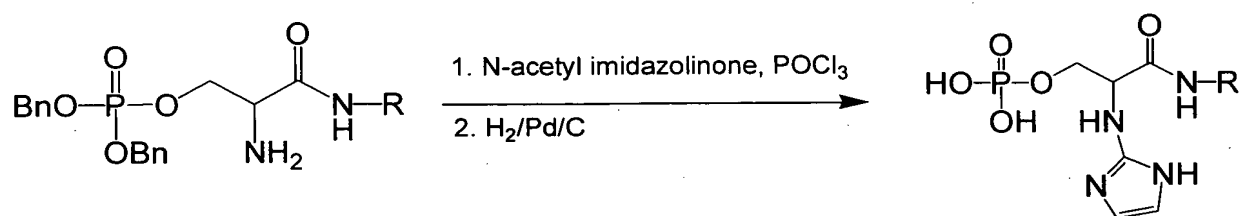


Figure 18

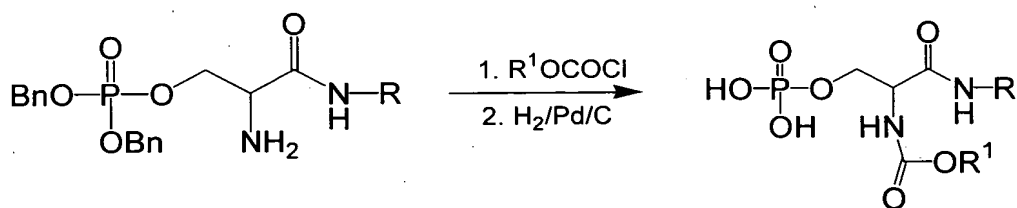


Figure 19

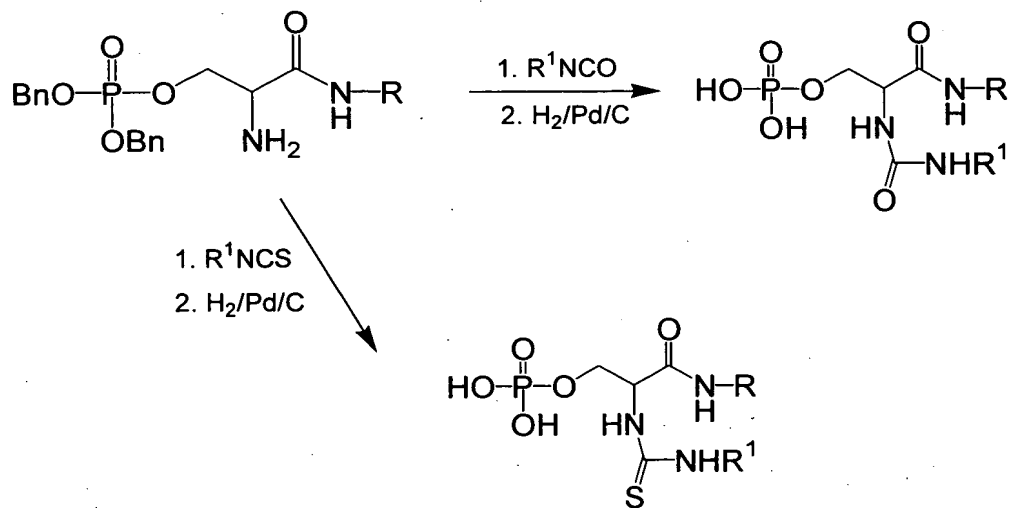


Figure 20

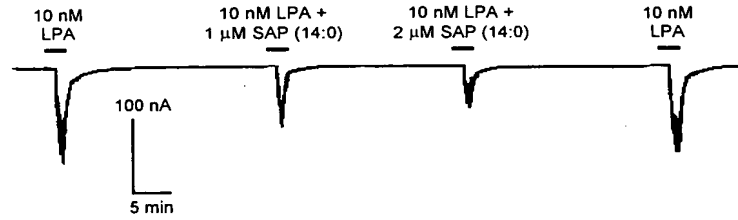


Figure 21

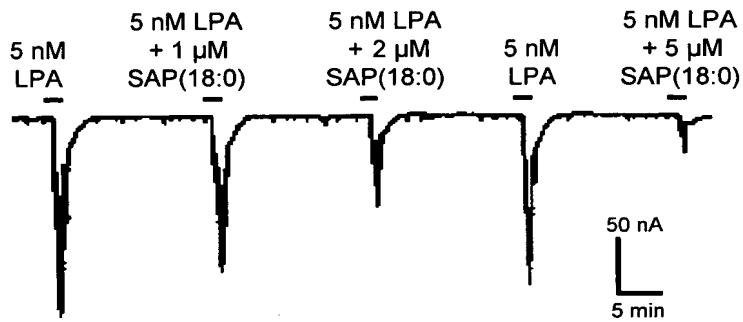
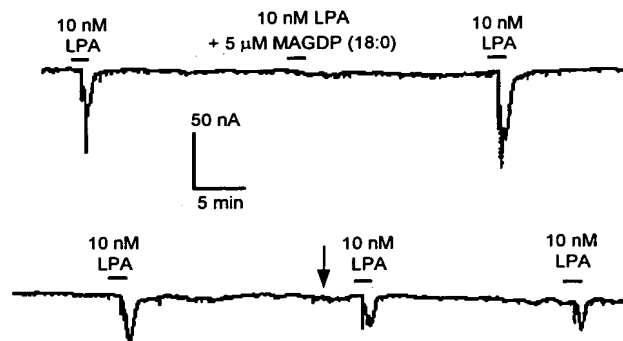


Figure 22



Figures 23A-B

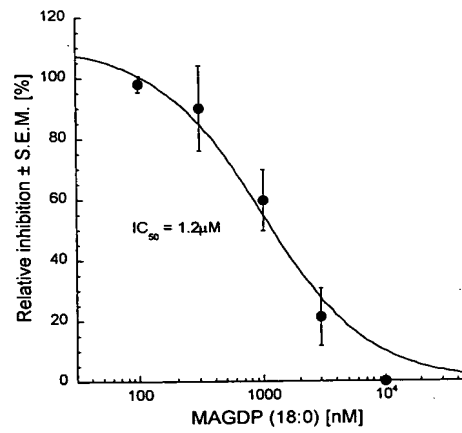


Figure 24

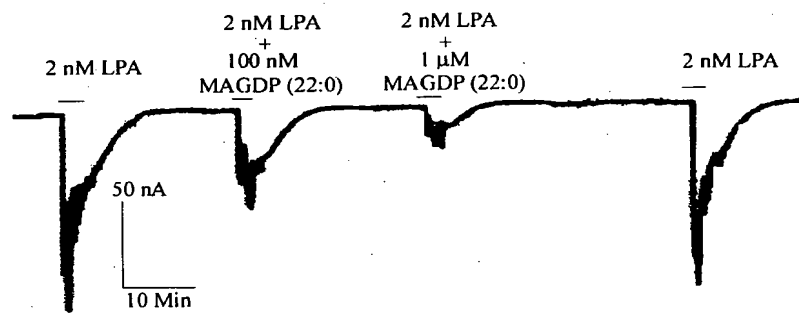


Figure 25

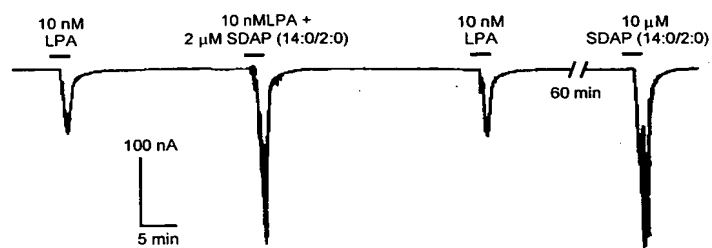


Figure 26

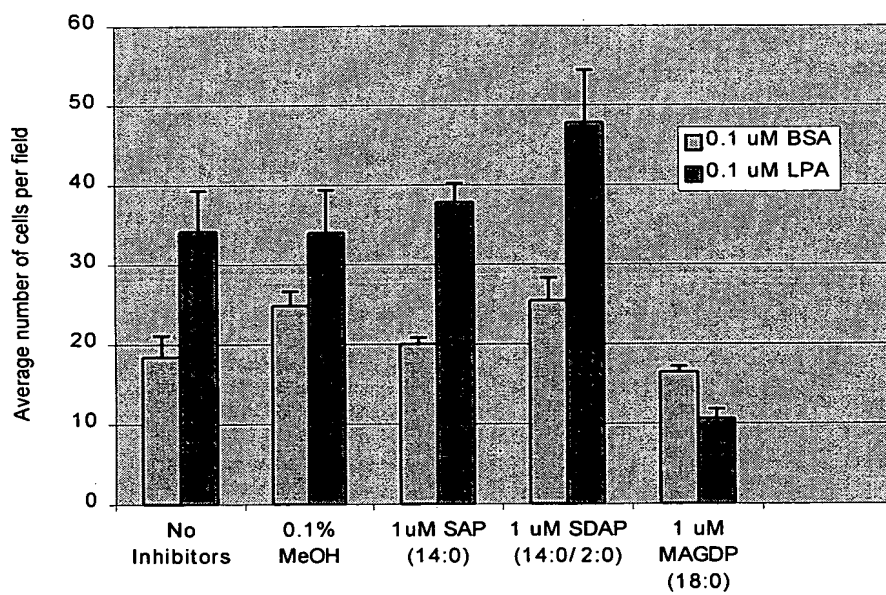
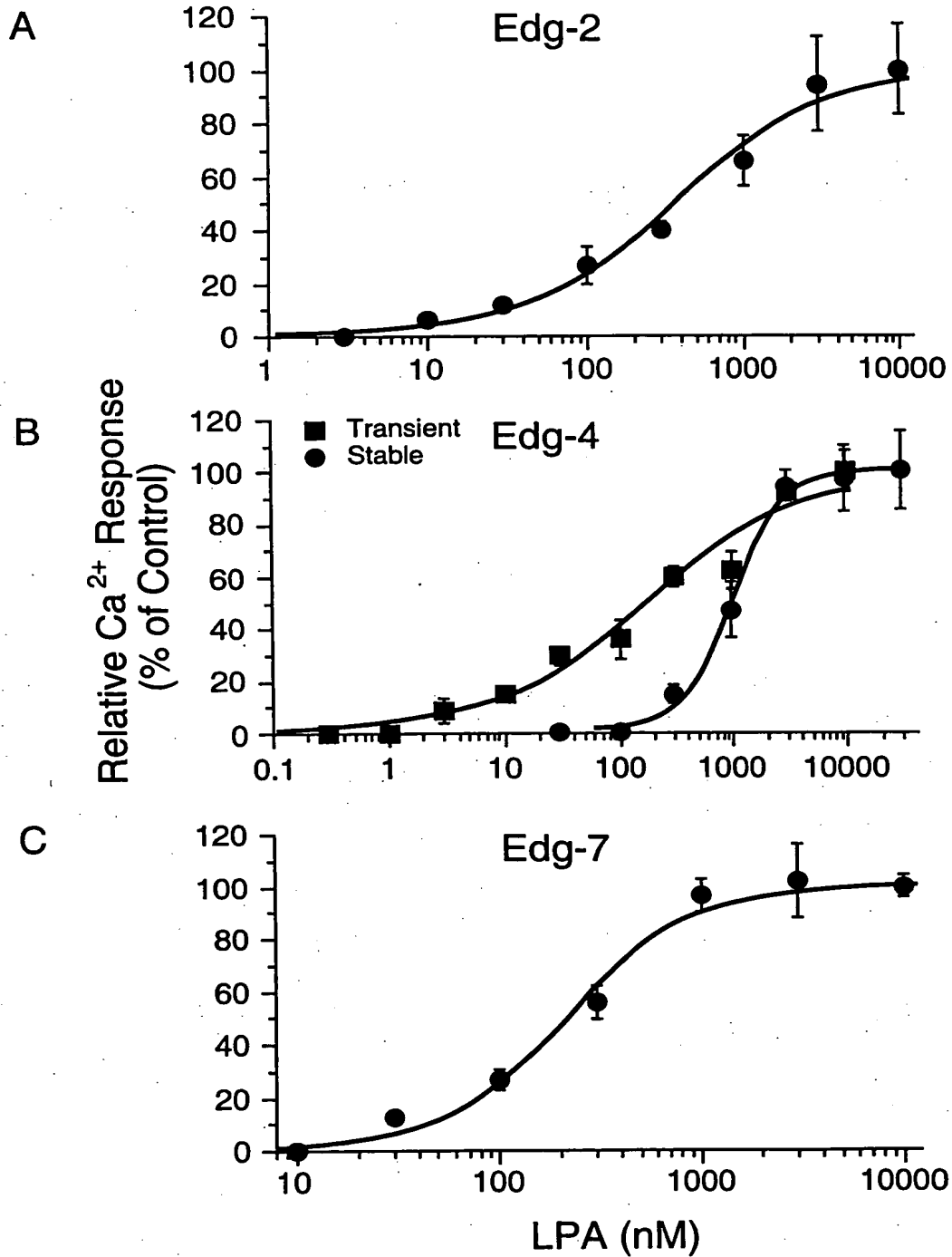
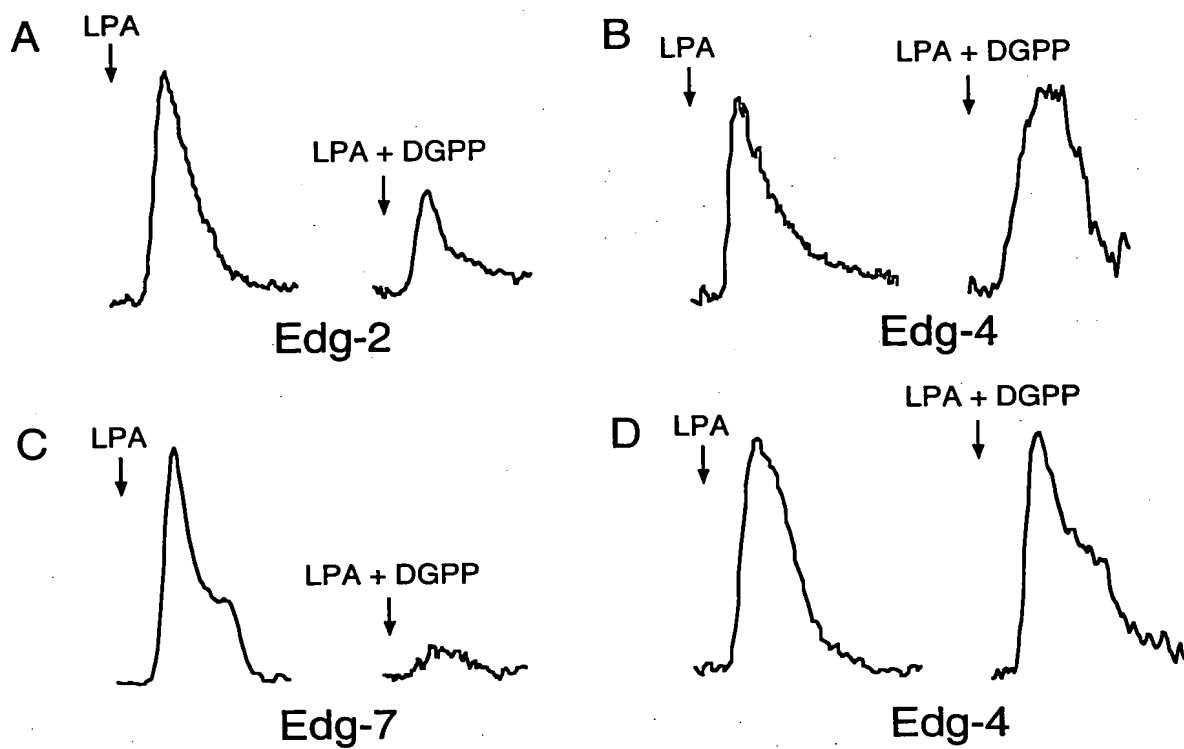


Figure 27



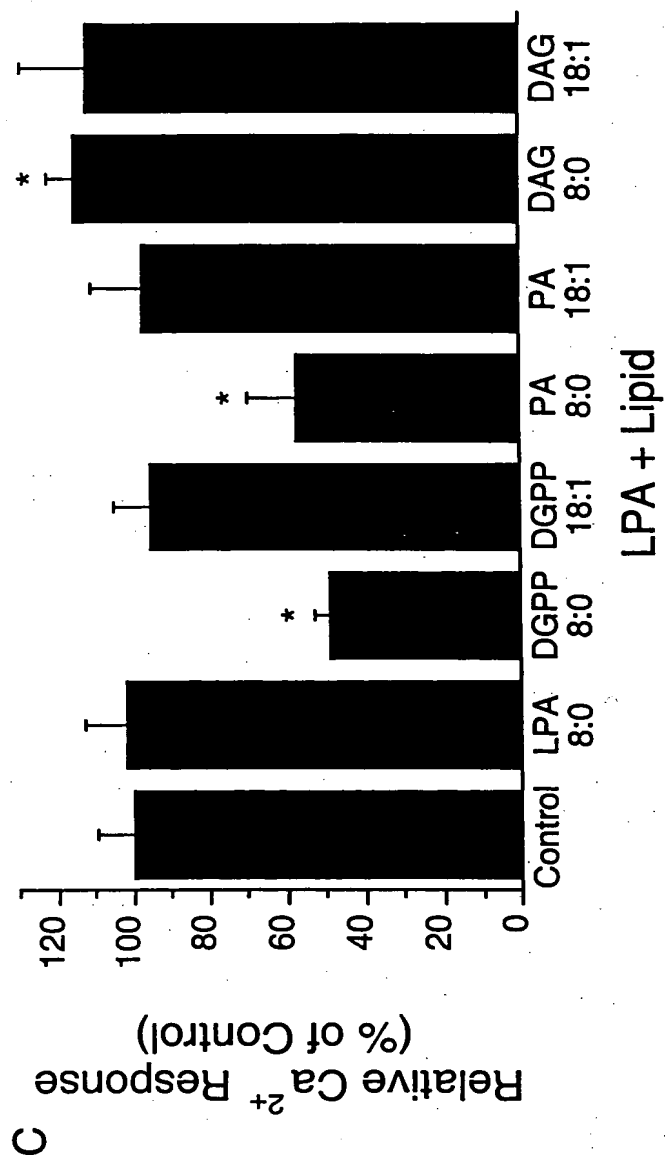
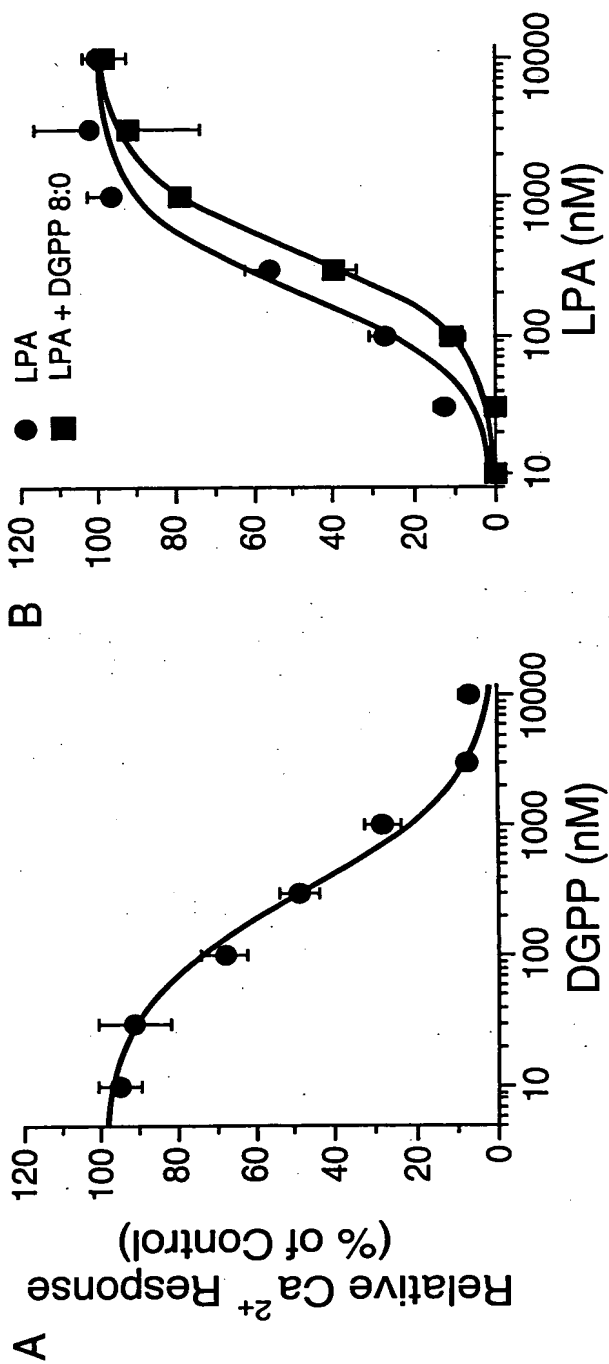


Figures 28A-C

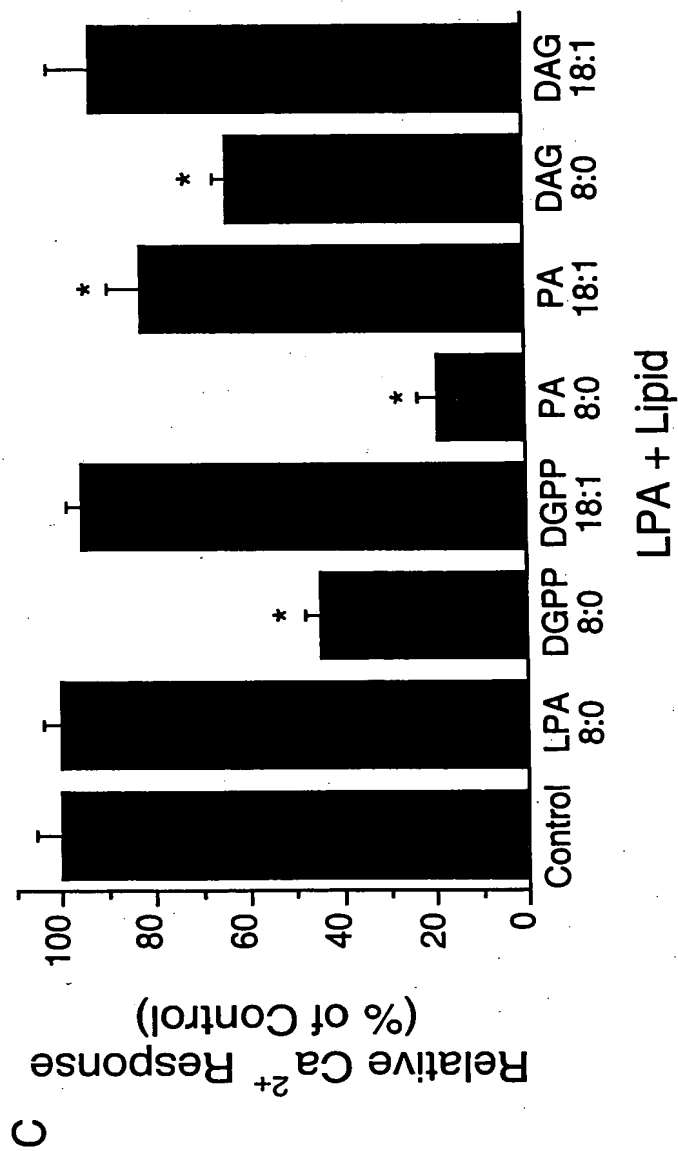
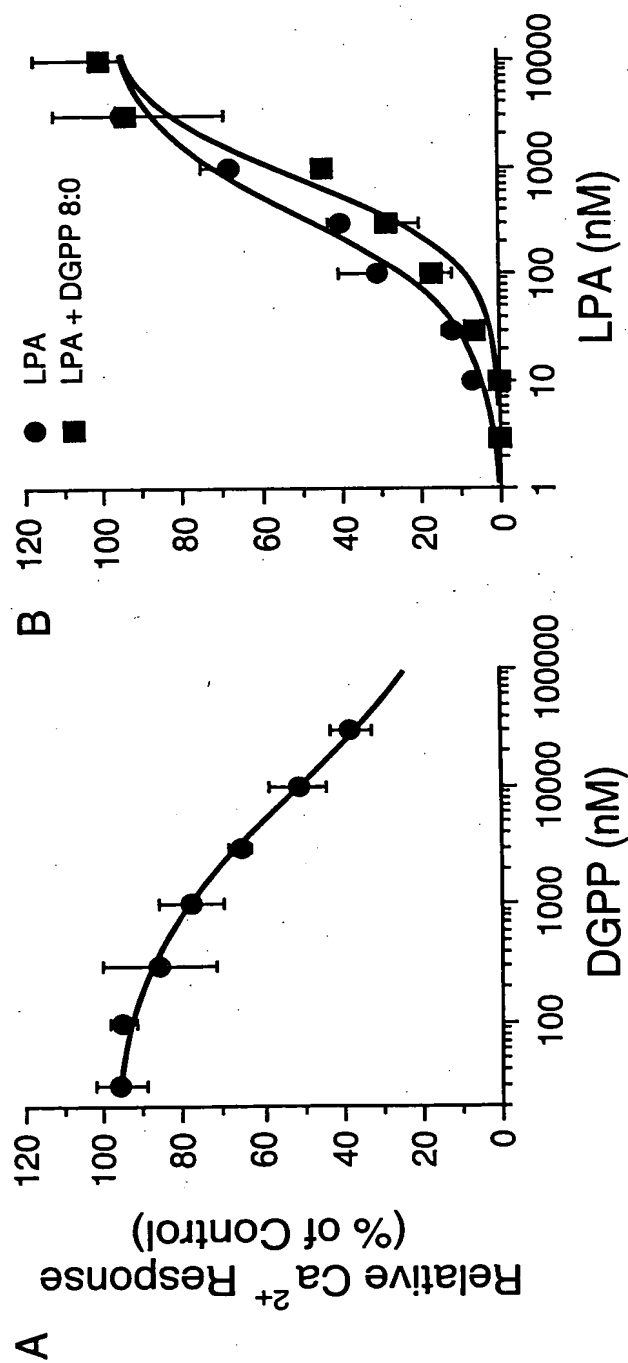


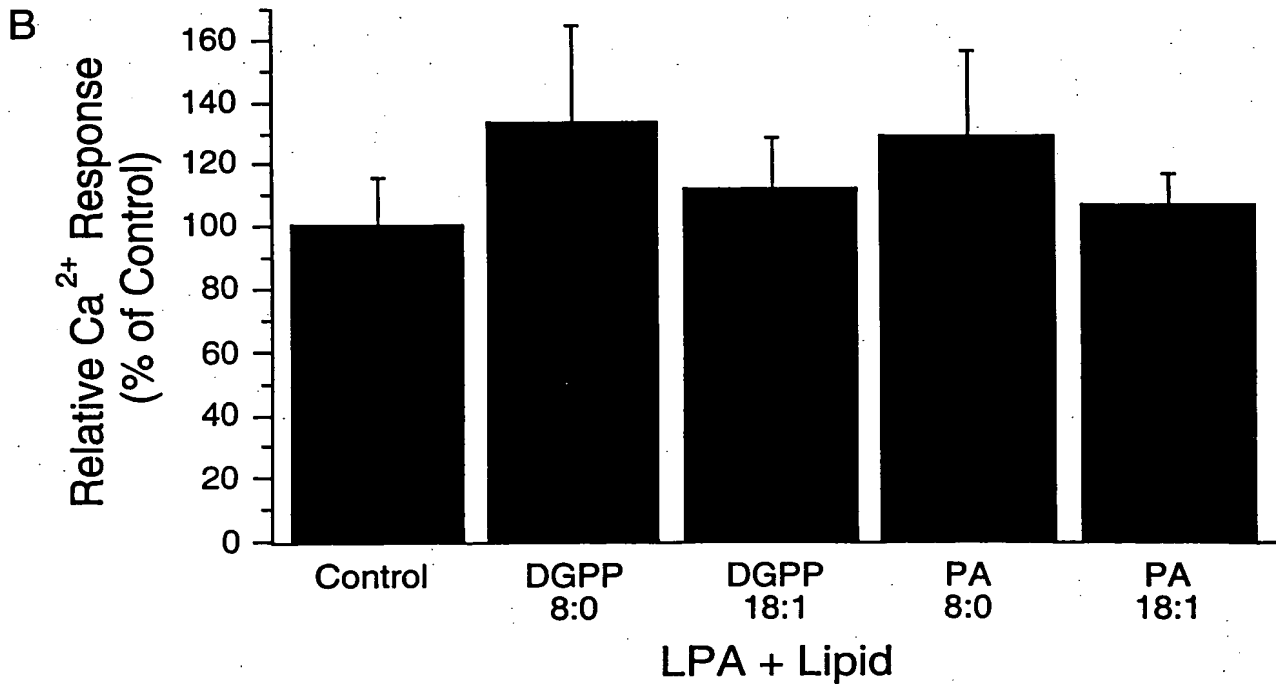
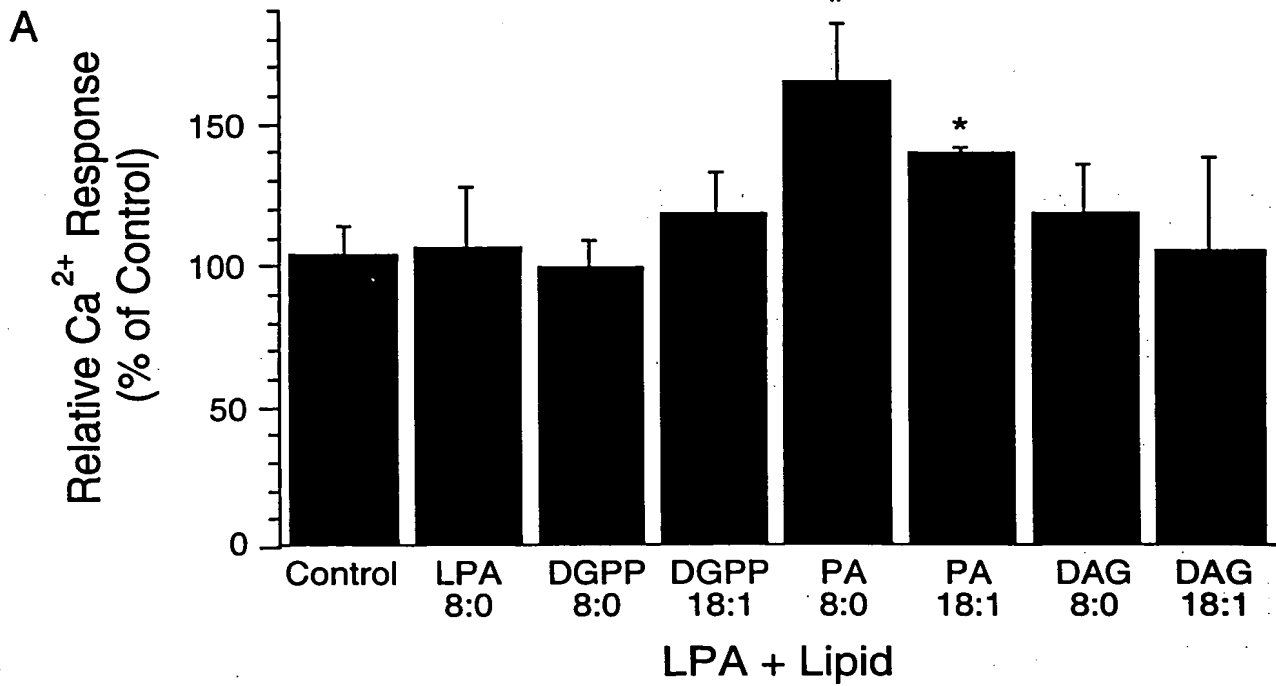
Figures 29A-D

Figures 30A-C

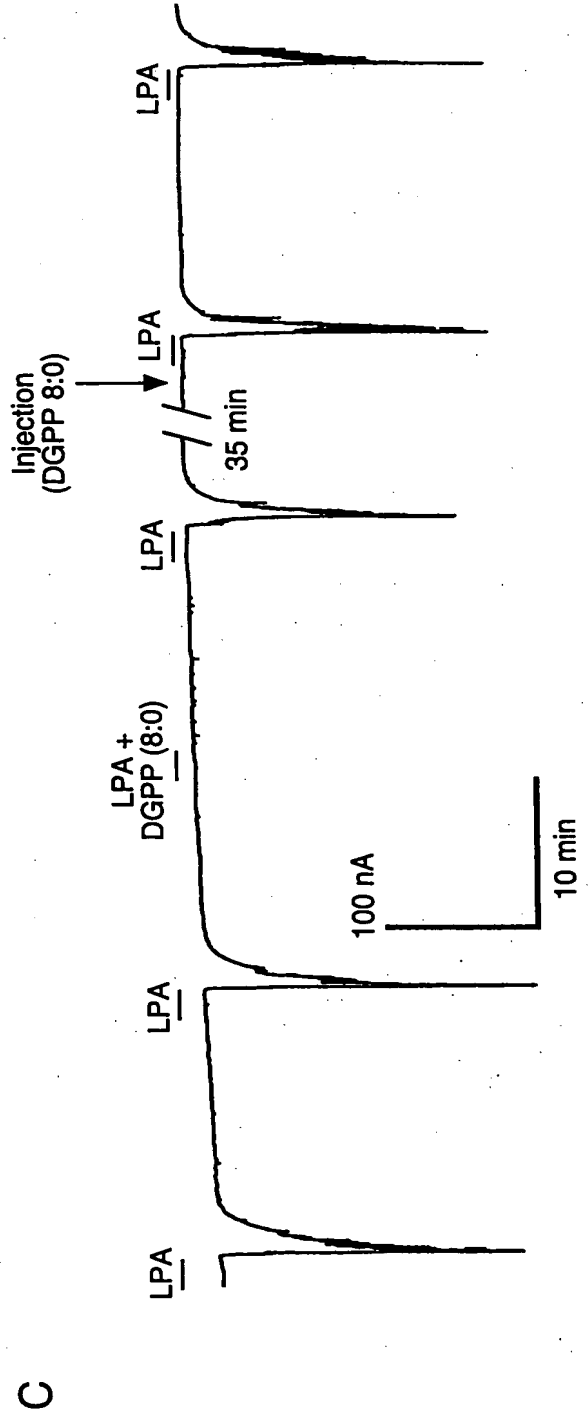
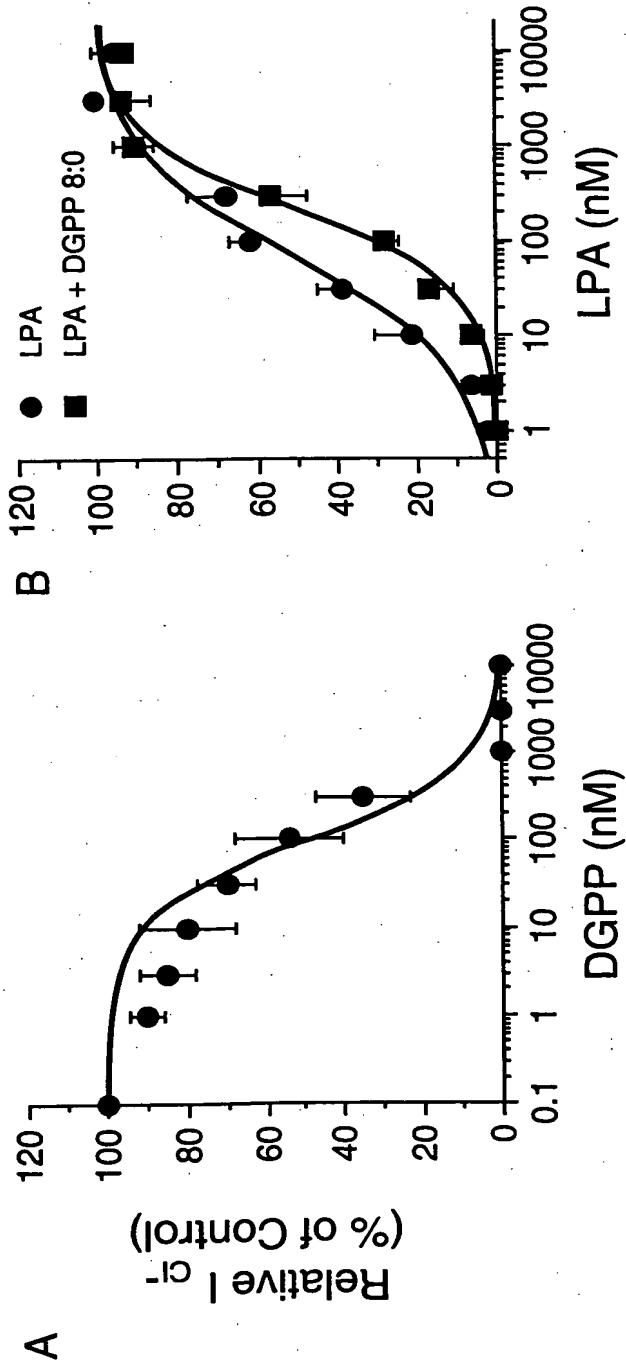


Figures 31A-C

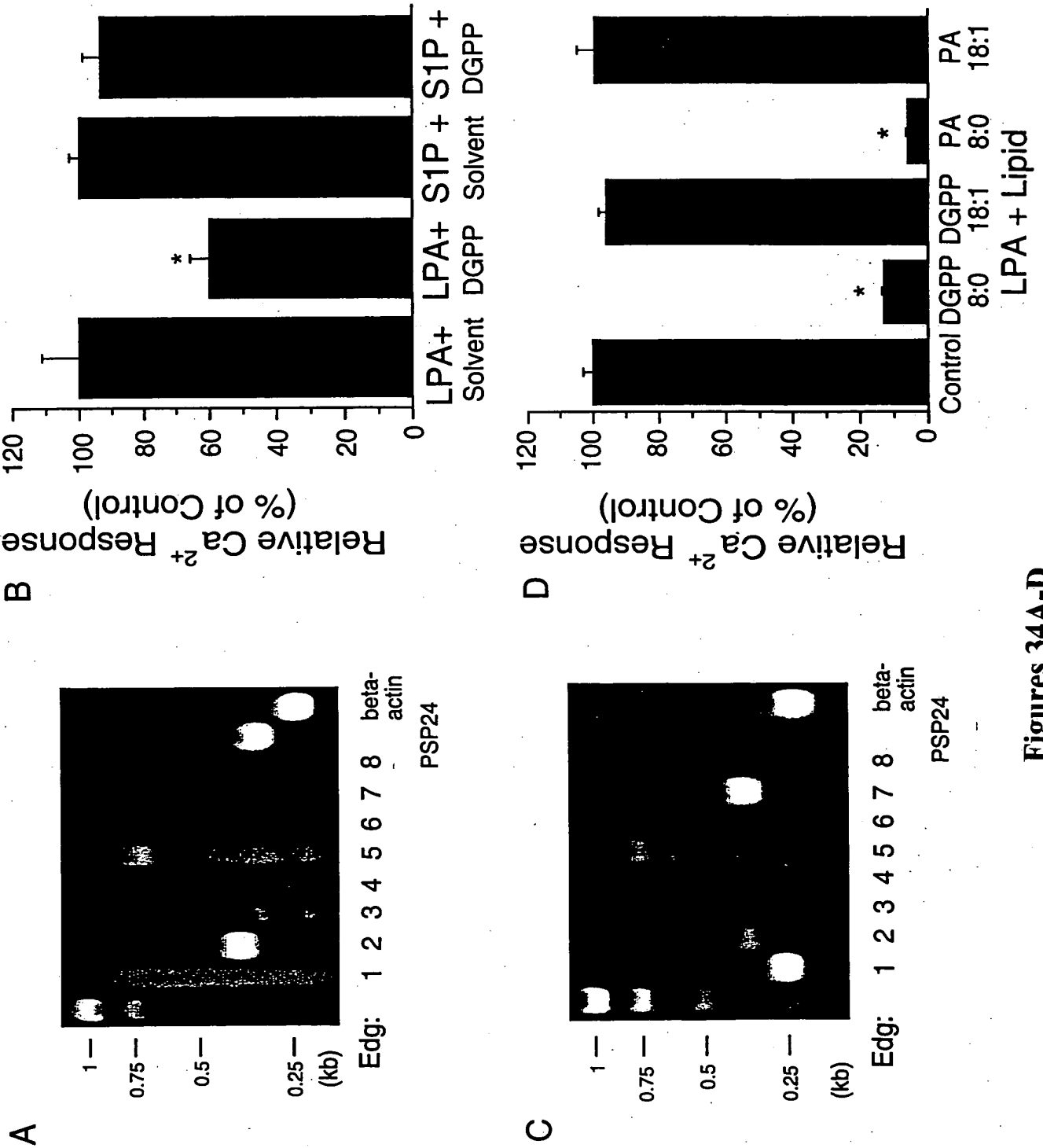




Figures 32A-B



Figures 33A-C



Figures 34A-D

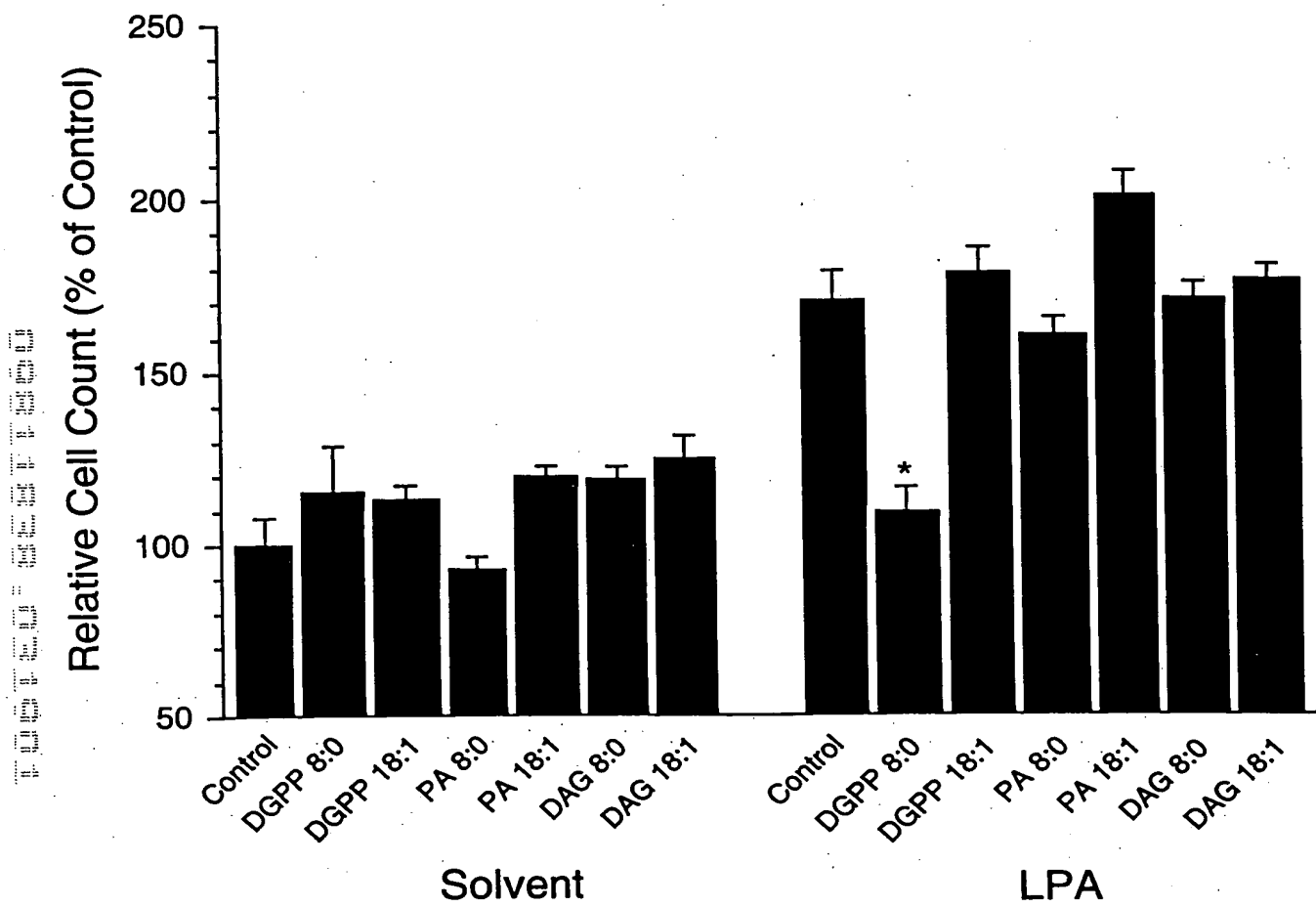


Figure 35



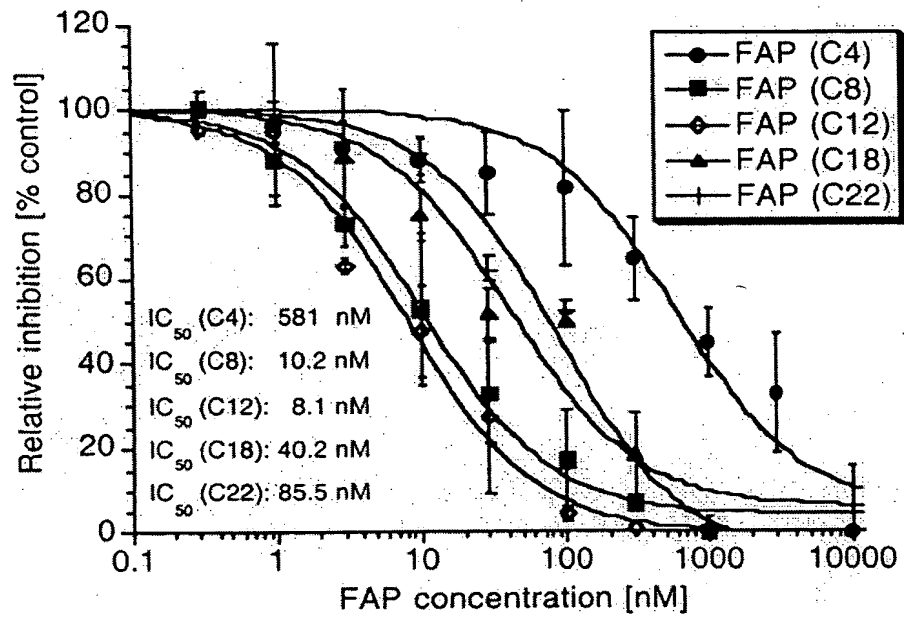


Figure 36

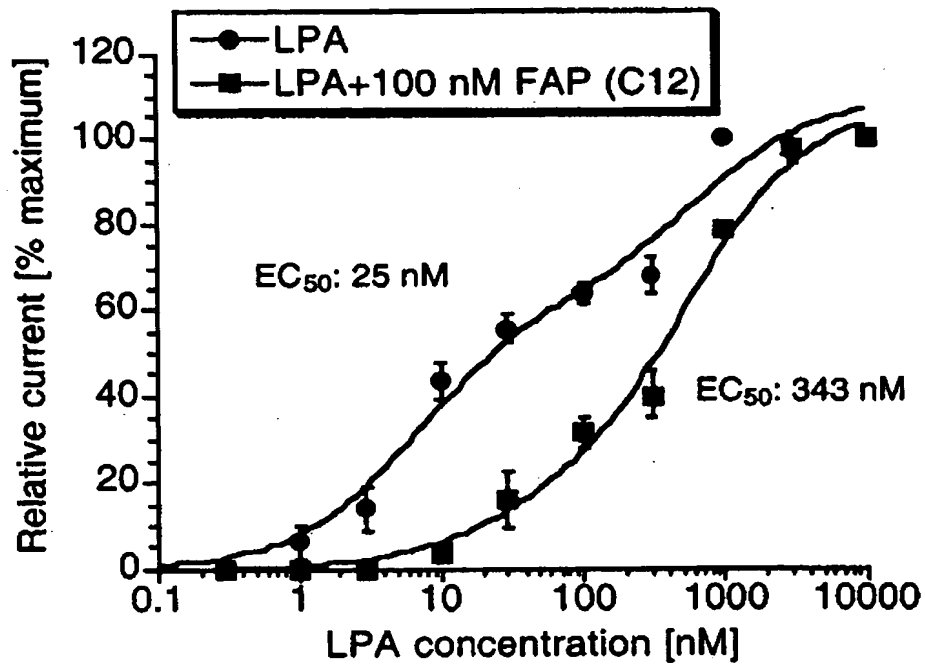


Figure 37

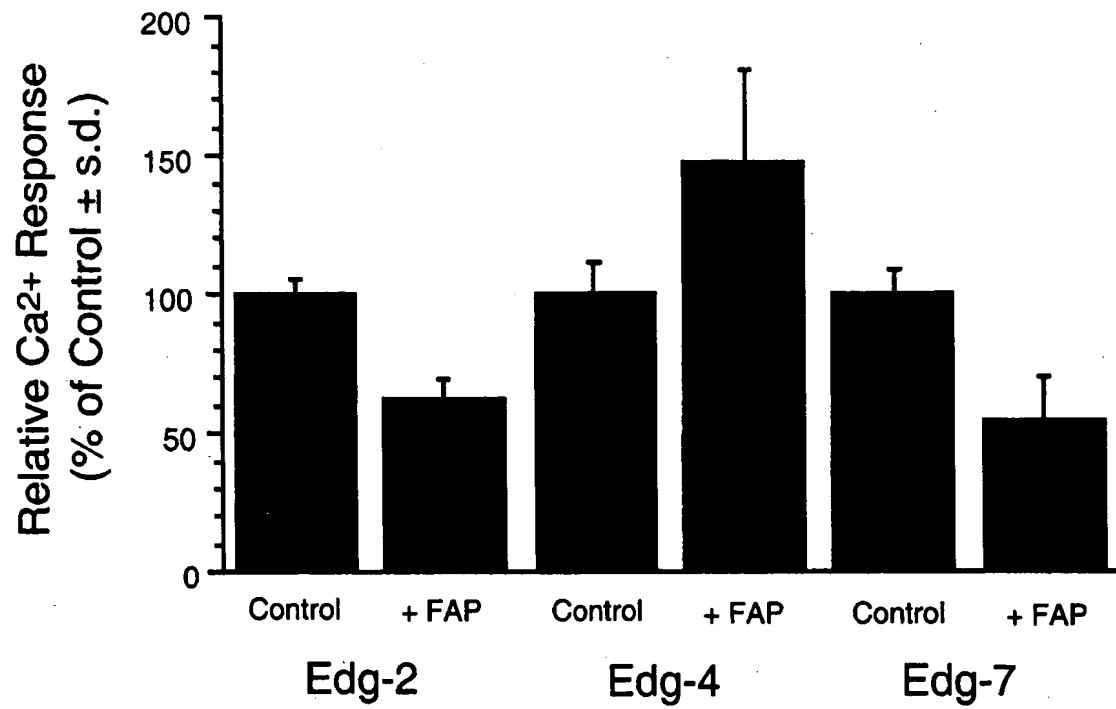


Figure 38